

CITY OF LOWELL
Job Description
Please Post ~ May 8, 2008
Deadline ~ May 14, 2008
Wastewater Treatment Plant
Engineering Intern
Part-time / Temporary

Job Title: Engineering Intern - Part time / Temporary
Department: Wastewater Treatment Plant
Reports To: Executive Director; Designated personnel
Salary: \$10.00 (min) to \$15.00 (max) per hour - 20 hours per week.

SUMMARY

The Lowell Regional Wastewater Utility (LRWWU) is seeking an engineering intern. LRWWU operates a 32-MGD municipal wastewater treatment facility that transports and treats wastewater for the City of Lowell and four surrounding towns. The plant effluent is discharged to the Merrimack River.

The Engineering Division at LRWWU is a five-person group that plans and designs capital improvement projects, supports the Operations and Maintenance departments, implements an Industrial Pretreatment Program (IPP), manages inter-municipal wastewater activities, interacts with other municipal departments, and collaborates with engineering consultants.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

ENGINEERING INTERNSHIP

An undergraduate or graduate engineering student who is interested in working as an engineer in the wastewater treatment industry.

Part-time position (15-20 hrs per week) working 3-6 hours per day.

Wage rate is \$10 - \$15 per hour, depending upon experience and GPA

No benefits are available with this internship; ***US Citizenship is required.***

Intern will support a staff engineer in the Engineering Division.

Duties will include plan drawing, engineering calculations, field assessment, data management, and other miscellaneous tasks.

QUALIFICATIONS To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION and/or EXPERIENCE

Must be college student (graduate or undergraduate) for Engineering Internship; Record keeping, data management, plan drawing skills helpful.

LANGUAGE SKILLS

Ability to read and interpret documents such as safety rules, operating and maintenance

instructions, and procedure manuals. Ability to write routine reports and correspondence. Ability to speak effectively before groups of customers or employees of organization.

MATHEMATICAL SKILLS

Ability to work with mathematical concepts such as probability and statistical inference, and fundamentals of plane and solid geometry and trigonometry. Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations.

REASONING ABILITY

Ability to apply common sense understanding to carry out instructions furnished in written, oral, or diagram form. Ability to deal with problems involving several concrete variables in standardized situations.

PHYSICAL DEMANDS The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is frequently required to stand; walk; sit; use hands to finger, handle, or feel; reach with hands and arms; climb or balance; stoop, kneel, crouch, or crawl; talk or hear; and taste or smell. The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus.

WORK ENVIRONMENT The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is occasionally exposed to wet and/or humid conditions, moving mechanical parts, fumes or airborne particles, toxic or caustic chemicals, outside weather conditions, risk of electrical shock (outlets), and vibration. The noise level in the work environment is usually moderate.

The City of Lowell is a smoke and drug free employer and requires a physical with drug screen and CORI, post offer.

***Qualified individuals send resume and/or application to the Human Relations Office, RM 19 - City Hall, Lowell, MA 01852 by 4:00 PM: Deadline ~ Wednesday, May 14, 2008
EOE/AA/504 Employer***

T: WWTP\Interns.jbx